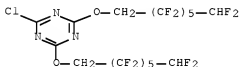


PI JP 38005898 19630514 JP 19600423 <--
 AB C3F7COOPr is treated with monoethanolamine, the resulting C3H7CONHCH2CH2OH is aminated, and the resulting C3F7CONHCH2CH2NH2 is condensed with cyanuric chloride. The condensed product is dissolved in Me2CO to prepare a 5% solution, cotton cloth is soaked therein, pyridine is added, warmed at 40° for 30 min., and the cloth is heated at 120° for 20 min. to give a water-repellent cloth. The use of 1-chloro-3,5-bis(dodecafluoroheptyl)triazine and 1,3-dichloro-5-[N-(β-pentadecafluorooctanoylamino)ethyl]amino]triazine also gives a similar effect. Japan. 5899('63), Appl. May 14, 1960; 3 pp. The use of N-(perfluorooctanoyl)ethylenimine, N-[[[(perfluorooctanoyl)amino]-acetyl]ethylenimine, and N-[(1,1,7-trihydrodecafluoroheptyl)-carbamoyl]ethylenimine is described.
 IT 4530-83-0, s-Triazine, 2-chloro-4,6-bis[(2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptyl)oxy]-
 (for textile water-repellent finishing)
 RN 4530-83-0 HCAPLUS
 CN 1,3,5-Triazine, 2-chloro-4,6-bis[(2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptyl)oxy]- (CA INDEX NAME)



=> => fil reg
 FILE 'REGISTRY' ENTERED AT 08:30:39 ON 16 SEP 2009
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 DICTIONARY FILE UPDATES: 14 SEP 2009 HIGHEST RN 1184350-41-1

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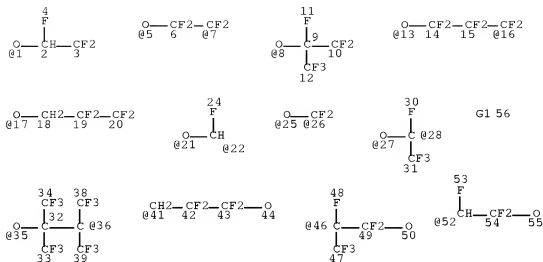
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<http://www.cas.org/support/stngen/stdoc/properties.html>

=> d sta que 138

L31

STR



VAR G1=1/5/8/13/17/21/25/27/35/52/7/46/16/41/22/26/28/36

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS UNLIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 50

STEREO ATTRIBUTES: NONE

L32 SCR 1838 AND 1992 AND 1968

L34 472239 SEA FILE=REGISTRY SSS FUL L31 AND L32

L38 22122 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON L34 AND 1/NR

=> d his

(FILE 'HOME' ENTERED AT 07:15:38 ON 16 SEP 2009)

SET COST OFF

FILE 'HCAPLUS' ENTERED AT 07:15:56 ON 16 SEP 2009

L1 1 S US20070179263/PN OR (US2006-591860 OR WO2005-JP3611 OR JP2004
E KOH/AU

L2 1 S E3
E KOH M/AU

L3 146 S E3-E13,E32

L4 6 S E86
E MEITEN/AU
E MIYATA/AU
E MIYATA M/AU

L5 106 S E3,E4,E11

L6 16 S E85
E MAMORU/AU

L7 4 S E3,E20
E ARAKI/AU

L8 5 S E3
E ARAKI T/AU

L9 511 S E3,E39

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E TAKAYUKI/AU
L10      5 S E3,E4
E DAIKIN/CO
L11      7209 S E4-E58/CO,PA,CS
E E34+ALL
L12      7192 S E2+RT OR E2-E20/PA,CS
L13      1 S L1 AND L2-L12
L14      1353 S L1-L12 AND (FLUOROPOLYMER?/CW,CT OR POLYETHER?/CW,CT (L) (FLU
L15      5 S L14 AND IONIC LIQUID?/CT,IT,BI,OBI
E IONIC LIQUID/CT
E E4+ALL
L16      10997 S E8
L17      1068 S E13,E14/B1
L18      5 S L14 AND L16,L17
L19      5 S L15,L18
SEL RN

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FILE 'REGISTRY' ENTERED AT 07:22:16 ON 16 SEP 2009

```

L20      146 S E1-E146
L21      87 S L20 AND (O AND F)/ELS
L22      59 S L21 AND N/ELS
L23      55 S L22 AND NR>=1
L24      23 S L23 AND 1/NC
L25      20 S L24 NOT (C12H17F4N3O2 OR C19H22F4N2O4 OR C9H8F4N4O2)
L26      32 S L23 NOT L24
L27      2 S L26 AND OC3/ES
L28      32 S L21 NOT L23

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FILE 'HCAPLUS' ENTERED AT 07:28:01 ON 16 SEP 2009

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L29      1 S L20 AND L1
SEL RN

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FILE 'REGISTRY' ENTERED AT 07:28:17 ON 16 SEP 2009

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L30      31 S E147-E177
L31      STR
L32      SCR 1838 AND 1992 AND 1968
L33      50 S L31 AND L32
L34      472239 S L31 AND L32 FUL
L35      42 S L20,L30 AND L34
L36      STR L31
L37      50 S L36 SAM SUB=L34
L38      22122 S L34 AND 1/NR
L39      50 S L36 SAM SUB=L38
L40      39 S L35 AND L38
L41      3 S L35 NOT L40
L42      22083 S L38 NOT L40

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FILE 'HCAPLUS' ENTERED AT 07:46:14 ON 16 SEP 2009

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L43      10 S L35
L44      6229 S L42
L45      3 S L43 AND L16,L17
L46      3 S L43 AND (C10M OR C10N)/IPC,IC,ICM,ICS,EPC
L47      5 S L43 AND L1-L14,L19
L48      10 S L43,L45-L47
L49      2 S L48 AND (LUBRIC? OR FUEL?)/SC,SX,CW,CT,IT,BI,OBI
L50      10 S L48,L49
SEL RN

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FILE 'REGISTRY' ENTERED AT 07:48:55 ON 16 SEP 2009

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L51      222 S E178-E399

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L52 8 S L51 AND L34 NOT L35

FILE 'HCAPLUS' ENTERED AT 07:49:44 ON 16 SEP 2009

L53 15 S L52

L54 19 S L50,L53

L55 9 S L54 NOT L50
 SEL RN

FILE 'REGISTRY' ENTERED AT 07:50:03 ON 16 SEP 2009

L56 275 S E400-E674

L57 15 S L56 AND L34 NOT L35,L52

FILE 'HCAPLUS' ENTERED AT 07:51:21 ON 16 SEP 2009

L58 8 S L57

L59 22 S L58,L54

L60 3 S L59 NOT L54
 SEL RN

FILE 'REGISTRY' ENTERED AT 07:51:39 ON 16 SEP 2009

L61 48 S E675-E722

L62 11 S L61 AND L34 NOT L35,L52,L57

L63 9 S L62 NOT (C8F4N2O2 OR C9H6N2O2)

FILE 'HCAPLUS' ENTERED AT 07:52:48 ON 16 SEP 2009

L64 3 S L63

L65 23 S L59,L64

L66 1 S L65 NOT L59
 SEL RN

FILE 'REGISTRY' ENTERED AT 07:53:08 ON 16 SEP 2009

L67 12 S E723-E734

L68 0 S L67 AND L34 NOT L35,L52,L57,L63

FILE 'HCAPLUS' ENTERED AT 07:54:16 ON 16 SEP 2009

L69 14 S L65 AND PY<=2006 NOT P/DT

L70 8 S L65 AND (PD<=20060906 OR PRD<=20060906 OR AD<=20060906) NOT L

L71 22 S L69,L70

L72 1 S L65 NOT L71

L73 23 S L71,L72

L74 19 S L44 AND L73

L75 23 S L73,L74
 SEL HIT RN

FILE 'REGISTRY' ENTERED AT 07:55:53 ON 16 SEP 2009

L76 76 S E735-E810

L77 34 S L76 NOT L35

L78 32 S L77 NOT (C9H6N2O2 OR C8F4N2O2)

L79 74 S L35,L78

FILE 'HCAPLUS' ENTERED AT 07:57:38 ON 16 SEP 2009

L80 23 S L79

L81 14 S L80 AND PY<=2006 NOT P/DT

L82 8 S L80 AND (PD<=20060906 OR PRD<=20060906 OR AD<=20060906) NOT L

L83 22 S L81,L82

L84 23 S L80,L83

L85 4 S L84 AND (C10M OR C10N)/IPC,IC,ICM,ICS,EPC

L86 3 S L84 AND IONIC LIQUID

L87 3 S L84 AND L16,L17

L88 5 S L84 AND L1-L14,L19

L89 4 S L84 AND (LUBRIC? OR FUEL?)/SC,SX,CW,CT,IT,BI,OBI

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L90      23 S L84-L89
L91      6210 S L44 NOT L90
L92      41 S L91 AND (IONIC LIQUID OR L16,L17)
L93      112 S L91 AND (C10M OR C10N)/IPC,IC,ICM,ICS,EPC
L94      183 S L91 AND (LUBRIC? OR FUEL?)/SC,SX,CW,CT,IT,BI,OBI
L95      45 S L91 AND L1-L14,L19
L96      6 S L92 AND L93-L95
L97      5 S L92,L96 AND PY<=2006 NOT P/DT
L98      20 S L92,L96 AND (PD<=20060906 OR PRD<=20060906 OR AD<=20060906) N
L99      25 S L97,L98
          SEL HIT RN

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FILE 'REGISTRY' ENTERED AT 08:01:51 ON 16 SEP 2009
L100     44 S E811-E854

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FILE 'HCAPLUS' ENTERED AT 08:05:37 ON 16 SEP 2009
L101     45 S L95 NOT L99
          SEL HIT RN

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FILE 'REGISTRY' ENTERED AT 08:07:23 ON 16 SEP 2009
L102     97 S E855-E951
L103     97 S L102 NOT L35,L52,L57,L63,L67
L104     31 S L103 AND (C14H10F11NO2 OR C16H9F13N2O6 OR C14H9CLF11NO2 OR C1
L105     35 S L103 AND (C16H9F13N2O5 OR C15H6F17NO6S OR C3F6O OR C16H14F11N
L106     7 S L103 AND (C15H12F11NO2 OR C16H11F13N2O5)
L107     49 S L104-L106
L108     43 S L107 NOT 46.492.1/RID
L109     2 S L108 AND C3F6O AND NC5/ES
L110     41 S L108 NOT L109

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FILE 'HCAPLUS' ENTERED AT 08:28:10 ON 16 SEP 2009
L111     18 S L110
L112     12 S L111 AND L1-L14,L19
L113     0 S L111 AND IONIC LIQUID
L114     0 S L111 AND L16,L17
L115     1 S L111 AND (C10M OR C10N)/IPC,IC,ICM,ICS,EPC
L116     1 S L111 AND (FUEL? OR LUBRIC?)/SC,SX,CW,CT,IT,BI,OBI
L117     6 S L111-L116 AND PY<=2006 NOT P/DT
L118     12 S L111-L116 AND (PD<=20060906 OR PRD<=20060906 OR AD<=20060906)
L119     18 S L117,L118

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FILE 'REGISTRY' ENTERED AT 08:30:39 ON 16 SEP 2009

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